

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
 Data File : VN071348.D
 Acq On : 17 Mar 2022 13:31
 Operator : JC\MD
 Sample : VN0317WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 17 13:49:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:37:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.657	128	112364	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	634086	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	565522	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	266158	29.835	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.433%
60) 4-Bromofluorobenzene	12.727	95	258383	29.574	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.567%
63) Toluene-d8	10.439	98	805094	30.947	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.167%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	150778	20.753	ug/l	100
3) Chloromethane	2.299	50	186392	19.230	ug/l	96
4) Vinyl Chloride	2.440	62	176709	19.852	ug/l	98
5) Bromomethane	2.846	94	101202	22.685	ug/l	96
6) Chloroethane	3.010	64	112636	20.793	ug/l	98
7) Trichlorofluoromethane	3.369	101	224539	20.002	ug/l	97
8) Diethyl Ether	3.822	74	95128	19.509	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.210	101	130790	20.718	ug/l #	68
10) 1,1-Dichloroethene	4.181	96	125141	19.480	ug/l	92
11) Methyl Iodide	4.422	142	172994	19.556	ug/l	93
12) Methyl Acetate	4.851	43	233275	18.974	ug/l	92
13) Acrolein	4.040	56	164725	102.188	ug/l	100
14) Acrylonitrile	5.551	53	475063	92.683	ug/l	98
15) Acetone	4.281	58	127279	94.463	ug/l	93
16) Carbon Disulfide	4.534	76	343540	19.775	ug/l	98
17) Allyl chloride	4.840	41	263912	19.935	ug/l	80
18) Methylene Chloride	5.098	84	154923	19.778	ug/l	89
19) trans-1,2-Dichloroethene	5.592	96	135403	20.054	ug/l	90
20) Diisopropyl ether	6.492	45	527021	19.780	ug/l	92
21) 1,1-Dichloroethane	6.381	63	285018	20.102	ug/l	99
22) cis-1,2-Dichloroethene	7.322	96	160957	19.667	ug/l	94
23) tert-Butyl Alcohol	5.363	59	165479	87.281	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	488975m	19.943	ug/l	
25) Chloroform	7.816	83	267715	19.660	ug/l	98
26) Cyclohexane	8.098	56	257687	20.078	ug/l #	91
29) 1,1-Dichloropropene	8.216	75	203038	19.897	ug/l	96
30) 2-Butanone	7.334	43	667281	92.349	ug/l	94
31) 2,2-Dichloropropane	7.322	77	232056	24.258	ug/l	97
32) 1,1,1-Trichloroethane	8.010	97	232952	19.576	ug/l	97
33) Carbon Tetrachloride	8.204	117	200327	19.799	ug/l	96
34) Benzene	8.457	78	622668	19.714	ug/l	97
35) Methacrylonitrile	7.633	41	140733	20.103	ug/l	91
36) 1,2-Dichloroethane	8.528	62	226469	20.077	ug/l	99
37) Trichloroethene	9.216	130	149378	19.846	ug/l	96
38) Methylcyclohexane	9.457	83	256872	20.975	ug/l	94
39) 1,2-Dichloropropane	9.486	63	165720	19.792	ug/l	99
40) Dibromomethane	9.575	93	106728	20.150	ug/l	91
41) Bromodichloromethane	9.757	83	211426	19.797	ug/l	94
42) Vinyl Acetate	6.428	43	2341232	99.154	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	273003	19.428	ug/l	99
44) Isopropyl Acetate	8.557	43	421379	18.648	ug/l	98
45) 1,4-Dioxane	9.563	88	70497	350.328	ug/l	90
46) Methyl methacrylate	9.557	41	197612	19.768	ug/l	83
47) n-amyl Acetate	12.386	43	270136	18.022	ug/l	98
48) t-1,3-Dichloropropene	10.716	75	227434	19.552	ug/l	98
49) cis-1,3-Dichloropropene	10.186	75	256894	20.425	ug/l	96
50) 1,1,2-Trichloroethane	10.892	97	151552	19.648	ug/l	98
51) Ethyl methacrylate	10.757	69	248568	18.733	ug/l	88
52) 1,3-Dichloropropane	11.039	76	276184	19.882	ug/l	99
53) Dibromochloromethane	11.233	129	155170	19.298	ug/l	99
54) 1,2-Dibromoethane	11.339	107	154775	19.352	ug/l	98
55) 2-Chloroethyl vinyl ether	10.039	63	326549	81.146	ug/l	98
56) Bromoform	12.451	173	114424	18.451	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	1297913	95.578	ug/l	97
59) 2-Hexanone	11.080	43	938977	93.021	ug/l	98
61) Tetrachloroethene	10.974	164	130268	21.116	ug/l	90
62) Toluene	10.504	91	658055	20.352	ug/l	96
64) Chlorobenzene	11.769	112	390736	19.925	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.839	131	148770	20.448	ug/l	100
66) Ethyl Benzene	11.839	91	714290	20.046	ug/l	98
67) m/p-Xylenes	11.951	106	539897	40.320	ug/l	99
68) o-Xylene	12.274	106	264779	19.646	ug/l	99
69) Styrene	12.292	104	423592	19.947	ug/l	98
70) Isopropylbenzene	12.574	105	692756	20.323	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.821	83	232328	19.645	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	215139m	20.015	ug/l	
73) Bromobenzene	12.857	156	158076	19.805	ug/l	95
74) n-propylbenzene	12.916	91	749722	19.955	ug/l	100
75) 2-Chlorotoluene	13.004	91	479500	20.360	ug/l	96
76) 1,3,5-Trimethylbenzene	13.057	105	553526	20.457	ug/l	96
77) t-1,4-Dichloro-2-butene	12.621	75	69160	19.431	ug/l	97
78) 4-Chlorotoluene	13.098	91	443723	20.333	ug/l	94
79) tert-butylbenzene	13.321	119	486973	19.707	ug/l	97
80) 1,2,4-Trimethylbenzene	13.363	105	534314m	20.355	ug/l	
81) sec-Butylbenzene	13.498	105	650815	19.786	ug/l	99
82) p-Isopropyltoluene	13.610	119	537831	20.330	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	261474	20.065	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	251231	20.251	ug/l	100
85) n-Butylbenzene	13.939	91	395810	20.094	ug/l	98
86) Hexachloroethane	14.210	117	99104	19.670	ug/l	87
87) 1,2-Dichlorobenzene	13.986	146	255238	20.193	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.604	75	41516	18.280	ug/l	94
89) 1,2,4-Trichlorobenzene	15.257	180	113897	19.459	ug/l	96
90) Hexachlorobutadiene	15.362	225	72818	22.019	ug/l	99
91) Naphthalene	15.504	128	309492	16.894	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	110933	18.480	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

